

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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1. (original) A method for selecting one channel from a plurality of channels in a wireless network system, the channels including at least one in-use channel, a first idle channel, and a second idle channel, the method comprising:

10 determining a first reference value for the first idle channel and a second
 reference value for the second idle channel by comparing the frequency
 band of the in-use channel with the frequency band of the first idle channel
 and the frequency band of the second idle channel; and
 comparing the first reference value with the second reference value to select one
 from the first idle channel and the second idle channel.

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2. (original) The method of claim 1, further comprising:
 detecting the channels to identify the in-use channel, the first idle channel, and the
 second idle channel.

- 20 3. (original) The method of claim 1, wherein if the frequency band interval between the
 in-use channel and the first idle channel is shorter than that between the in-use
 channel and the second idle channel, the first reference value is larger than the second
 reference value.

- 25 4. (original) The method of claim 3, wherein the channel selected from the first idle
 channel and the second idle channel is the one having a smaller reference value.

5. (original) The method of claim 1, wherein if the frequency band interval between the

in-use channel and the first idle channel is shorter than the frequency band interval between the in-use channel and the second idle channel, the first reference value is smaller than the second reference value.

5 6. (original) The method of claim 5, wherein the channel selected from the first idle channel and the second idle channel is the one having a larger reference value.

7. (original) A method used in a wireless network system, the method comprising:

10 detecting the status of a plurality of channels in the wireless network system to divide the channels into at least one in-use channel, a first idle channel, and a second idle channel; and

 comparing the frequency band of the in-use channel with the frequency band of the first idle channel and the second idle channel to determine a first reference value for the first idle channel and a second reference value for the second idle channel.

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8. (original) The method of claim 7, further comprising:

 comparing the first reference value with the second reference value to select one from the first idle channel and the second idle channel.

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9. (original) The method of claim 8, wherein if the frequency band interval between the in-use channel and the first idle channel is shorter than the frequency band interval between the in-use channel and the second idle channel, the first reference value is larger than the second reference value.

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10. (original) The method of claim 9, wherein the channel selected from the first idle channel and the second idle channel is the one having a smaller reference value.

11. (original) The method of claim 8, wherein if the frequency band interval between the in-use channel and the first idle channel is shorter than the frequency band interval between the in-use channel and the second idle channel, the first reference value is smaller than the second reference value.

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12. (original) The method of claim 11, wherein the channel selected from the first idle channel and the second idle channel is the one having a larger reference value.

13-20. (canceled)

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